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This index covers all technical items - papers, correspondence, reviews, etc. that appeared in this periodical during 1999, and items from previous years that were commented upon or corrected in 1999. In the case of magazines, departments and other items may be also covered if they have been judged to have archival value.

The Author Index contains the primary entry for each item, listed under the first author's name. The primary entry includes the coauthors' names, the title of the paper or other item, and its location, specified by the publication abbreviation, year, month, and inclusive pagination. The Subject Index contains entries describing the item under all appropriate subject headings, plus the first author's name, the publication abbreviation, month, and year, and inclusive pages. Subject cross-references are included to assist in finding items of interest. Note that the item title is found only under the primary entry in the Author Index.

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Specific topics include, but are not limited to: a) artificial intelligence techniques, including speech, voice, graphics, images, and documents; b) knowledge and data engineering tools and techniques; c) parallel and distributed processing; d) real-time distributed; e) system architectures, integration, and modeling; f) database design, modeling and management; g) query design and implementation languages; h) distributed database control; i) algorithms for data and knowledge management; j) performance evaluation of algorithms and systems; k) data communications aspects; l) system applications and experience; m) knowledge-based and expert systems; and, n) integrity, security, and fault tolerance. For a list of current areas published in *TKDE*, refer to the editorial in the February 1994 issue.

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Papers that may be submitted for consideration include those that have not been previously published in another journal, or are not currently being published or reviewed by another journal or conference, as well as those that have been published in conference proceedings, digests, and records and that have undergone substantial revision.

Papers are published in *TKDE* as *regular papers*, *concise papers*, or *correspondence*. A *regular paper* usually reports the results of original research. The title, abstract, introduction, and summary should be sufficiently informative to make the contributions of the paper clear to the broadest possible audience, and to place them in context with related work. A *concise paper* presents results that are important and original and are presented in concise form; and, a *correspondence* is used to convey only a few principal ideas or to comment on work previously published in this transactions.

As part of regular papers, we solicit research *surveys* that present new taxonomies, research issues, and current directions on a specific topic in the knowledge and data engineering areas. Each should have an extensive bibliography that is useful for experts working in the area, and should not be tutorial in nature. As part of correspondences, we solicit *correspondences on recent developments* that describe recent results, prototypes, and new developments whose timely publication is important.

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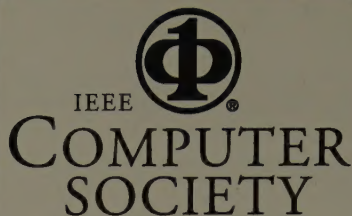
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